

Howland

~~Memoranda~~

Howland

Sic #15  
Howland  
15-20 Sept. 1966



Woodward  
Howland Island

✓ADP

Done - CDH  
8/31/68

Banding Issued.  
15 Sept -

777-52223 25-627 med

777-51336-400

36-45 med

10A



✓ADP

15 Sept. 1966  
RFB

Banding

~~777-515300~~

777-52223 SA

25-6 Imm

27 Imm.

777-51536-37 SA

38 SA

39 Imm

40 SA

41-43 SA

44 SA

45 SA

✓ pr with 777-54590 ~~46~~ AM Inter  
phase



✓ADP

Mc 2  
E 8  
J 2  
H 3

Interis

Interis

Interis

Interis

15 Sept 1966

RFB Returns.

✓ADP

✓E 777-55402 AS? Root.

✓E 747-68662 SA R

✓E 777-52215 SA R

✓E 747-65117 SA R

✓J 777-52358 H R Inter phase

✓H 777-54590 AF pr with Inter phase  
(777-51546M)



19 September 1966 Howland

Sooty Tern ✓ADP  
-Returns-

773-24059 B+

773-24487 F

773-39980 B+

793-30761 B+

793-30769 B+

793-46378 B+

843-35791 F

843-38340 F



19 September 1966 Howland ✓ ADP  
Blue-faced Booby

737-82000

001 Imm

✓ 777-54563 - Reband - 002  
♂ Ad with N

003 Imm

✓ 737-39531 ♂ Ad > with N ✓

✓ 737-20673 ♀ Ad ✓

004 Ad ♀

✓ 737 39555 ♀ ✓

005 Ad ♀

006 Ad ♀

✓ 737-27996 Ad ♂ > Pair w/N ✓

✓ 737-39554 Ad ♀ > Pair w/N ✓

✓ 737-49741 Ad ♂ ✓

✓ 737-39552 Ad ♂ ✓

007 Ad ♂

008 Imm

✓ 737-20295 Ad ♂

✓ 737-39551 Ad ♂

interpreted as  
20295 ?



19 Sept 1966 ✓ ADP

BFB Booby

Howland

✓ 737-27426 Ad ♀

009 Ad ♂

✓ 737-20828 Ad ♂

✓ 737-39517 Ad ♂ > Pair

✓ 737-39558 Ad ♀

✓ 737-27603 Ad ♀ w/N

010 Immature

✓ 737-20810 Ad ♀ > Pair w/N

✓ 737-49655 Ad ♂

✓ 587-83503 Imm

✓ 57 62849 ♂ Ad

✓ 737-39560 Ad ♀

0011 Imm

✓ 737-53177 Ad ♂ > w/N

✓ 737-39538 Ad ♀

✓ 57 63388 Ad ♀

✓ 737-28544 Ad ♀ w 2E

✓ 737-28587 Ad ♀ w/N

0012 Ad ♂



19 Sept 1966

✓ ADP  
Howland

B-F Booby

✓ 558-85001 Ad ✓

✓ 737-44637 Ad ♂ ✓ w/Dm

0013 Dm

✓ 737-49860 Ad ♀ w/IE ✓

✓ 737-44755 Ad ♂ w/N ✓

✓ 737-53479 Ad ♀ w/Dm ✓

✓ 737-20857 Ad ♂ > Par

✓ 737-53481 Ad ♂

✓ 737-53080 Ad ♀ > Par w/N

✓ 757-62866 Ad ♀ ✓

0014 Dm

✓ 737-20788 Ad ♂ ✓

✓ 737-39526 Ad ♀ > Par w/Dm

✓ 737-23708 Ad ♂ on IE ✓

✓ 737-39513 Ad ♀ w/N ✓

✓ 587-83430 Ad ♀

✓ 737-20782 Ad ♀

✓ 737-39603 Ad ♂ > Par

✓ 737-28641 Ad ♀ w/Dm ✓



19 Sept 1966

Bf Bobby

✓ ADP

- ✓ 737-28907 ♂ Ad w/N ✓  
✓ 737-39605 ♀ Ad ✓  
✓ 737-39530 ♂ Ad ✓  
✓ 737-28517 ♀ Ad > Pair ✓  
✓ 587-83501 Imm ✓  
✓ 737-39535 ♂ Ad ✓  
✓ 737-23614 ♀ Ad > Pair ✓  
✓ 737-39520 ♂ Ad > Pair ✓  
✓ 737-28514 ♀ Ad > Pair ✓  
✓ 757-63065 ♂ Ad ✓  
✓ 737-39802 ♀ Ad > Pair ✓  
    (20015) Imm ✓  
✓ 737-28862 ♂ Ad ✓  
✓ 587-85009 ♀ Ad > Pair w/N ✓  
✓ 737-27882 ♂ Ad ✓  
✓ 737-53497 ♀ Ad ✓  
✓ 737-23588 ♂ Ad > Pair w/N ✓  
✓ 737-39610 ♀ Ad ✓  
    (20016) Imm ✓



19 Sept 1966 Howland  
BFD colony VADP

✓ 737-20821 ♂ Ad ✓  
937-39523 ♀ Ad ✓  
✓ 737-39594 ♂ Ad w/N ✓  
✓ 57-63136 ♂ Ad w/N ✓  
✓ 737-28859 ♀ Ad ✓  
✓ 737-53293 ♀ Ad ✓  
✓ 737-44653 ♂ Ad ✓  
✓ 737-20779 ♀ Ad ✓  
✓ 737-39806 ♀ w/N ✓  
✓ 737-28894 Ad ✓

...17 Brown Booby Bm  
...18 Ad ♂

✓ 737-22474 Ad ♀ ✓

...19 Imm

...20 Brown Booby Im

937 28588 ♀ Ad > w/N pair

✓ 737-53363 ♂ Ad ✓

...21 Brown Booby

...22 Imm



✓ADP

Banded on Bl-f. Body →

BANDING

Howland Island

Brown Booby

19 Sept 1966

✓ADP

737-53022 Ad ♂

587-83504 SubA ✓

587-83505 Im ✓

00017 Im

00020 Im

00021 Im

737-53014 ♂ Ad ✓

737-53015 ♂ Ad ✓

737-53018 ♀ Ad ✓

00029 Ad ♂

✓737-53044 W/2 CV ✓

737-53051 Ad ✓

587-83623 ✓

757-65001 Ad ♂ ✓

069 Im

587-85028 Ad ♀ ✓



BANDING  
Blue faced Booby  
Howland Island  
19 Sept 1966

Aug 23 Imm

✓ 737-28793 Ad ♀ ✓

✓ 737-39571 Ad ♂ ← Pair

Aug 24 Imm

✓ 587-85026 ♂ Ad ✓

Aug 26 ♀ Ad ← Pair

Aug 27 Imm

✓ 737-27517 ♂ Ad ✓

✓ 737-49720 ♀ Ad ✓

✓ 737-20820 ♀ Ad

✓ 737-28594 ♂ Ad → Pair w/N

Aug 28 Imm

✓ 737-28519 ♀ Ad

✓ 737-28911 ♂ Ad → Pair w/N

✓ 737-27873 ♀ Ad w/N

Aug 29 Brown Booby

✓ 587 85029 ♀ Ad

✓ 737 27622 ♂ Ad → Pair w/N



19 Sept 1966

Howland

BF Booby

✓ADP

✓737-27787 ♀ Ad ✓ w/gm  
✓737-49689 ♂ Ad ✓ Pair

0030 Imm

✓757 26254 ♀ Ad ✓  
✓737-28607 ♀ Ad w/N ✓  
✓737-20832 ♀ Ad w/N ✓  
✓737-53124 ♀ Ad ✓  
✓737-28644 ♂ Ad ✓ Pair  
✓757-63148 ♀ Ad ✓  
✓737-28698 ♀ Ad ✓ Pair  
✓737-53111 ♂ Ad ✓  
✓737-27954 ♀ Ad ✓  
✓737 53184 ♀ Ad w/N ✓  
✓737-28801 ♂ Ad ✓  
✓737-53113 ♀ Ad ✓ Pair

0031 Immatures

0032

0033 Ad ♀



19 Sept 1966 ~~Howland~~ ~~ADP~~

BFB Cooby

✓ 737-53116 ♂ Ad w/N+G  
✓ 588-85807 ♀ Ad Pair  
- 737-27771 ♂ Ad w/N

... 34

... 35

... 36

} Immatures

✓ 737-49751 ♀ Ad  
✓ 737-39594 ♂ Ad } w/N Pair

... 37

♀ Ad } Pair w/N

✓ 737-27892 ♂ Ad  
✓ 737-53478 ♀ Ad w/N  
✓ 587-83564 ♂ Ad } Pair w/Sum  
✓ 737-28522 ♀ Ad } Pair w/N  
✓ 737-20773 ♂ Ad

✓ 737-28739 ♀ Ad

✓ 568-72036 ♀ Ad

✓ 737-23529 ♂ Ad

✓ 737-20819 ♀ Ad

✓ 737-39616 ♀ Ad



19 Sept 1966

✓ ADP

BK13 only

✓ 737-39617 ♂ Ad ✓  
737-28847 ♀ W ✓  
✓ 737-28860 ♀ Ad ✓  
587-83630 ♂ Ad ✓

37 -

38 -

39 -

40 -

Immature

41 Ad ♀

✓ 737-49676 Ad ✓

✓ 587 83631 ♂ Ad w/I ✓

~~42~~

587-83247 ✓

737-39600 ♀ Ad ✓

✓ 568-71005 ♂ Ad ✓

✓ 737-39587 ♀ Ad ✓

✓ 737-39805 ♂ Ad ✓

✓ 737-28783 ♂ Ad ✓

✓ 737-53146 ♀ Ad ✓

✓ pair w/N

✓ pair w/N



19 Sept 1966

Howland

✓ ADP  
5340 coby

✓ 737-39589 ♀ Ad } Pair / Im

✓ 737-53107 ♂ Ad

✓ 737-53114 ♀ Ad

737-53141 ♂ Ad } Pair / N

737-27776 ♀

... 42

Immatures

737-49790 ♂ Ad } Pair / 2E

737 49792 ♀ Ad

... 44

Immature

737-49752 ♂ Ad } Pair / N

737-53121 ♀ Ad

737-53110 ♂ Ad

737-53120 ♂ Ad } Pair / N

737-20830 ♂ Ad

757-62861 ♂

558-85078 ♀ Ad

737 28967 ♂ Ad

...



19 Sept 1966 Howland

BSIF-13 only ✓ ADP

... 45 Immature

... 46 Ad ♀

✓ 737-28728 ♀ Ad ✓

✓ 757-63232 ♂ Ad > Pair ✓

✓ 737-34596 ♀ Ad > Pair ✓

✓ 757-83427 ♂ Ad > Pair ✓

✓ 737-53491 ♀ Ad > IE ✓

✓ 737-20908 ♂ Ad > Pair ✓

✓ 558 85074 ♂ Ad w/ 2E ✓

✓ 757-69668 ♀ Ad w/ IE ✓

✓ 737-28872 ♀ Ad w/ N ✓

✓ 737-44779 ♂ Ad ✓

✓ 737-28788 ♀ Ad ✓

✓ 737 28785 ♂ Ad w/ N ✓

✓ 737-53394 ♀ Ad ✓

✓ 737-53437 ♂ Ad w/ N ✓

✓ 757-63100 ♀ Ad ✓

✓ 737 53284 ♂ Ad ✓

... 47 Immature



19 Sept 1966 Howland

SB Booby VADP

737 - 23584 ♂ Ad ✓

737-28842 ♀ Ad ✓

000 48 } Immatures  
000 49 }

737-49627 ♂ Ad } w/N ✓

737-27515 ♀ Ad ✓

737-53373 ♀ Ad w/N ✓

737-20128 ♂ Ad w/N ✓

737-49785 ♂ Ad w/N ✓

737 49744 ♀ Ad w/N ✓

000 50 } Immatures  
000 51 }  
000 52 }

737-28878 ? ✓

757-62939 ♀ Ad ✓

757-62988 ♂ Ad ✓

737-20761 ♀ Ad w/Imm ✓

737-20042 ♀ Ad w/Imm ✓

000 53 } Imm



195 apt 1966 Howland

SBFB Goby ✓ADP

00054 Imm

00055 Imm

00056 Ad ♀

✓737-28858 Ad ♀ w/N ✓

✓737-28809 Ad ♀ ✓

✓737-53372 Ad ♂ ✓

00057

00058

00059

00060

00061

} Immatures

00062 ♀ Ad / IE 1st ♂

✓737-20836 ♂ Ad w/N ✓

00063 ♀ Ad

✓737-28826 ♀ Ad ✓

✓737-28670 ♂ Ad w/N ✓

✓737-44764 ♀ Ad } pair ✓

00064

00065

} Immatures



73-22353

19 Sept 1966

BFB - 600g

Howland

66

67

68

} Immature

69

Brown Booby ♂

70 ♀ Ad

71 Sub A

72 Imm

73 Ad

74

75 } Imm

~~737-23007~~

737-39917 Ad ♀ ✓

737-49833 Ad ♀ ✓

737-70664 Ad ♀ ✓

737-49668 Ad ♂ ✓

737 53463 Ad ♀ ✓

737 23007 Ad ♂ w/PC ✓

6067

6067

} Immatures



(VADP)

Inters

RETURNS

Brown Booby

Howland  
Island

19 Sept 1966

✓

737-22353 -

CC

Ad

2



19 Sept 1966 Howland

BF-B-Returns - PC

✓ 587-85809 Ad C ✓

✓ 737-20020 ♀ Ad C ✓

✓ 737-53079 Ad ♂ C ✓

✓ 737-69409 Ad C ✓

✓ 558-85008 Ad C ✓

✓ 737-20038 Ad C ✓

✓ 737-39843 Ad C ✓

✓ 587-85046 Sub C ✓

✓ 41-70687 original Ad C

✓ 757-62940 ~~Ad~~ Ad C

Number should be

41-720687 - CPT



RETURNS 19 Sept 1966 VADP  
Club - BF Booby

00076 Sub Ad C  
00077

✓ 568-72276 Ad ♀ Ender C ✓

✓ 558-85283 Ad ♀ C ✓

✓ 57-65735 Ad Phoenix ✓

00078 Sub A C

✓ 568-72005 Ad ♀ C ✓

✓ 587-80907 Ad ♀ C ✓

✓ 568-71406 Ad ♀ C ✓

✓ 568-71343 Ad ♀ C ✓

✓ 568 72097 Ad ♀ C ✓

00079 Sub A C

✓ 568 71346 Ad C ✓

✓ 568 70607 Sub Ad Jarvis C ✓

✓ 568 71130 Sub A Phoenix C ✓

✓ 558 85753 Sub A Jarvis C ✓

✓ 559 63111 Ad ♀ C ✓

✓ 00080 Sub A C

✓ 587 85030 Ad ♀ C ✓



19 Sept 1966 Howland  
Club BKB ~~only~~ ✓ ADP

no 81 Sub A C

457-67367 Sub Ad ♀ C ✓

451-66972 Ad ♀ C ✓

587-85061 Ad ♀ C ✓

437-22782 Ad ♂ C ✓

587-83268 Sub Ad C ✓

457-63201 Sub Ad ♀ C ✓

437-20846 Ad ♀ C ✓

558-85075 Ad ♂ C ✓

587-80864 Ad ♂ C ✓



Banding ✓ Adp  
 13/13 Howland  
Island  
Petrels 19 Sept 1966  
 00084 Immature

✓ 137	27953	Ad ♀	✓
✓ 568	- 71482	Sub Ad	✓
✓ 137	- 20525	- Ad ♂	✓
✓ 137	- 20709	- Ad ♀	✓
00085 Imm			
00086 Ad ♀			
00087 Imm			
✓ 157	- 65329	Ad ♀	✓ Baker
✓ 168	- 70583	Ad ♀	✓
✓ 157	- 63412	Ad	✓
✓ 137	- 28947		✓
✓ 587	- 84085	Imm	✓
✓ 137	- 20536	Ad ♂	✓
✓ 137	- 20652	Ad ♀	✓ 1415
✓ 137	- 28673	Ad ♂	✓
✓ 137	- 52942	Ad ♀	✓
✓ 137	- 53198	Ad ♀ / 2N	✓
00088 Imm			



90 Ad ♀

19 Sept 1966 Howland Is

BFB - <sup>ooby</sup> Return + Banding

587 - 82805 Ad ♀ ✓  
737 - 20894 Ad ♀ ✓  
737 - 20860 Ad ♀ / Imm ✓  
737 - 53142 Ad ♂ 11E ✓  
737 - 20639 Ad ♀ 12E ✓  
587 - 85024 Ad ♂ Pair ✓  
737 - 28806 Ad ♀ ✓  
737 - 28805 Ad ♂ ✓

88

89 > Immatures

90 Ad ♀

568 - 71499 Ad ♂ ✓  
737 - 20530 Ad ♂ ✓  
587 - 85040 Ad ♀ ✓  
757 - 62774 Ad ♂ ✓  
757 - 63074 Ad ✓  
737 - 20105 Ad ✓  
737 - 27831 Ad ♀ ✓

91 ~~Imm~~ Ad ♀ ~~Imm~~



19 Sept 1966 Howland Is

BFB Booby VADP

✓ 37 - 28939	Ad ♂	✓
✓ 68 - 72039	Ad ♀	✓
✓ 57 - 66767	Ad ♀	✓
✓ 37 - 49743	Ad ♀	✓
✓ 57 - 63335	Ad ♀	✓
✓ 37 23544	Ad ♂	✓ Pair ✓
✓ 37 - 39925	Ad ♂	✓
✓ 87 - 50823	Ad ♀ / N	✓
✓ 58 - 85705	Ad ♀	✓
✓ 37 - 44660	Ad ♀	✓
✓ 37 - 20521	Ad ♂	✓
✓ 37 - 49663	Ad ♂	✓
✓ 37 - 49617	Ad ♂	✓ <del>Ad ♂</del>
92	I	
93	I	
94	Ad ♂	
95	I	
96	I	
97	Ad ♂	



19 Sept 1966

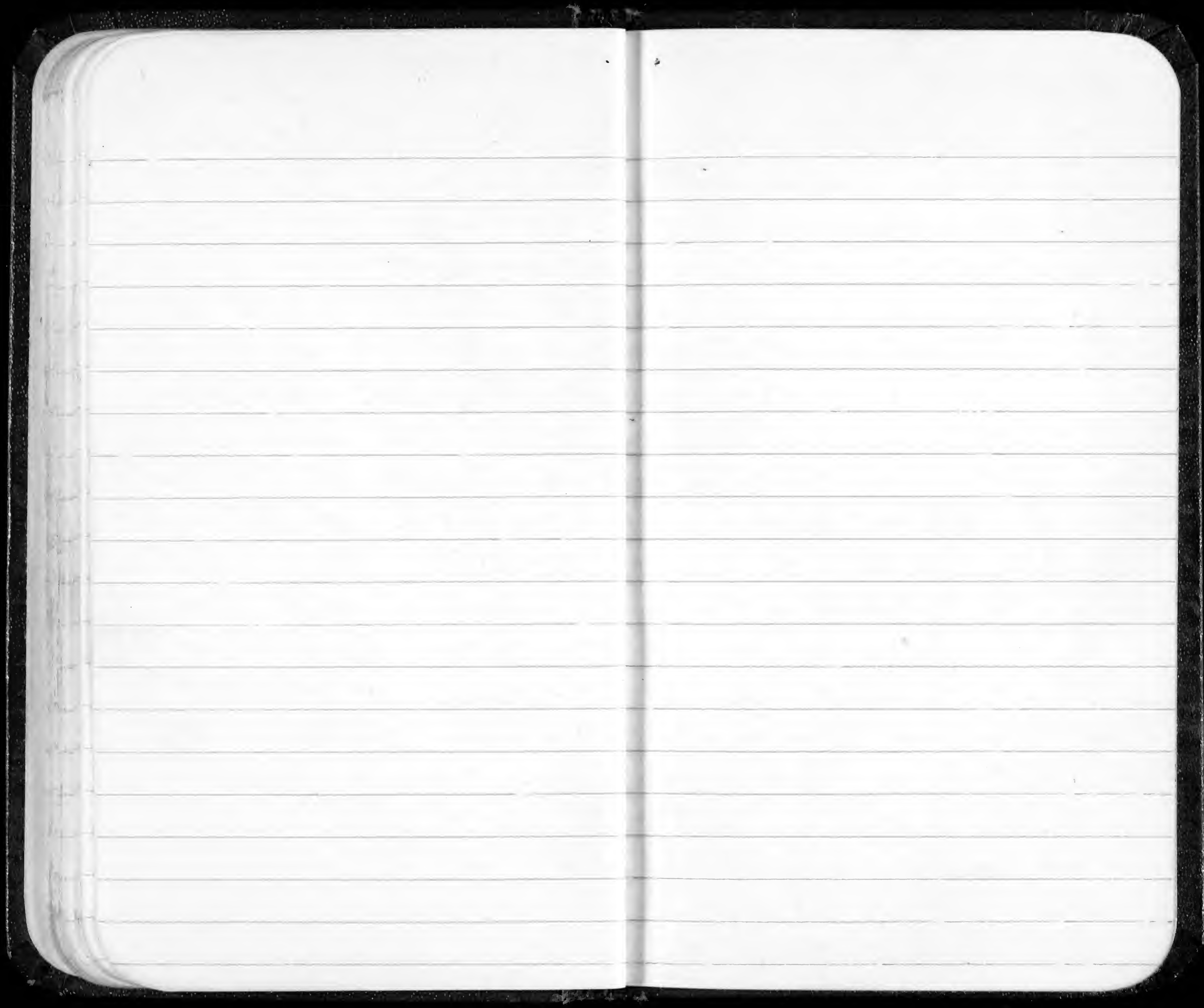
✓ ADP  
Howland

Blue-faced Booby

✓ 737-27833 Ad ♂ w/N ✓  
✓ 558-85208 Ad ✓  
✓ 737-20871 Ad ♂ ✓  
✓ 737-20691 Ad ♂ ✓  
✓ 587-85042 Ad ♂ w/N ✓  
✓ 757-68245 Ad ♀ ✓  
✓ 737-20877 Ad ♂ w/N ✓  
✓ 737-27864 Ad ♂ ✓  
✓ 737-20856 Ad ♂ ✓  
✓ 737-20980- Ad ♀ ✓  
✓ 737-20865 Ad ♂ ✓  
✓ 737-39795 Ad ♀ ✓  
568-72073 Ad ♀ ✓  
587-82817 Ad ♂ ✓

000 98 > Immatures  
000 99







19 Sept 1966 Howland Is.  
CC - BK Body VADP

568 72094 Ad ♀ ✓  
000 100 SubA

558 85703 SubA ✓

568 72188 SubA ✓

937 27847 Ad ♂ ✓

588-85014 ? ✓

737-81509 Ad ♀ ✓ w/ mark Bill

737-27999 Ad ♂ ✓

737-49765 Ad ♀ ✓ w/ nestling

737-27904 Ad ♀ w/ 2 ♂ ✓

737-53278 Ad ♂ ✓

568-72199 Ad ♀ ✓

737-25884 Ad ♀ ✓

737-27857 Ad ♂ ✓

737-28841 Ad ♀ ✓ w/ nestling

737 27796 Ad ♂ w/ nest ✓

737 49716 Ad ♀ ✓

737 28659 Ad ♀ ✓

737 39869 Ad ♀ ✓



19 Sept 1966

Howland Is

BFB ~~sub~~ ✓ ADP

✓ 737 20985 Ad ♀ ✓ w / nestling

✓ 737 50198 Ad ♀ w / 1E ✓

737-53164 Ad ♀ ✓

✓ 737 29858 Ad ♀ ✓

✓ 737 23502 Ad ♂ ✓

✓ 737 53258 Ad ♀ ✓

✓ 737 20749 Ad ♀ > pair ✓ N

✓ 737 20618 Ad ♂ ✓

✓ 737 20523 Ad ♀ ✓

✓ 737 20617 Ad ♂ ✓

✓ 587-50870 Ad ♀ ✓ N

✓ 757-65065 Ad ♂ pair ✓

✓ 737-49683 Ad ♂ w N ✓

✓ 737-28609 Ad ♂ ✓

✓ 737-53190 Ad ♀ ✓

✓ 737-49678 Ad ♂ ✓

737 28697 Ad ♀ > pair ✓ N

737 63099 Ad ♂ > pair ✓

737 28760 Ad ♀ ✓ pair



19 Sept 1966

Howland Is  
✓ADP

BFB Booby

- ✓737 44685 Ad ♂ ✓WN  
✓737 27861 Ad ♂ ✓Pair  
✓737 53275 Ad ♀ ✓Pair  
587 85050 Ad ✓  
✓757-65060 Ad ♀ ✓  
✓737 27663 Ad ✓  
✓737-20878 Ad ♂ ✓WN  
✓737-27749 Ad ♂ ✓WIE  
568-72042 Ad ♀ ✓  
✓737-44723 ✓Ad ♂ ✓  
558-85098 ✓ ♀ ✓~~Pair~~  
737-28949 ✓ Ad ♀ ✓  
757-62873 Ad ♂ ✓WN  
✓737-39636 Ad ♂ ✓  
✓587-82813 Ad ♀ ✓  
✓757-63008 Ad ✓  
✓737-53274 Ad ♂ ✓W Tm  
✓737-27435 Ad ♀ ✓  
✓737-28959 Ad ♀ 2E ✓



19 Sept 1966

Howland Is.

BKID obby VADP

257-65066

Ad ♀

✓ w Th

237-20854

Ad ♂

✓

237-28701

Ad ♂

✓

558-85251

Ad ♀

✓

757 62974

Ad ♂

✓

737 20965

Ad ♀

✓

568 71373

Ad ♀

✓

237 81591 SVAD

✓

568 71374

Ad ♂

✓

737 49705

Ad ♂

✓ 2E

557 62900

Ad ♀

✓

237 27930

Ad ♂

✓

757 53273

Ad ♂

✓

737 27747

Ad ♀

✓

737 49725

Ad ♂

✓

587 80895

Ad ♀

✓

737 49704

Ad ♂

✓

737 20558

Ad ♂

✓

737 49850

Ad ♀

✓



53129? →

19 Sept 1966 Howland Is

BKB only ✓ ADP

757

65018 Ad ♀

~~737 53169 Ad ♂~~

737 53169 Ad ♂ ✓

✓ 737 53270 ✓

✓ 737 28730 Ad ♂ W/W ✓

✓ 737 53129 Ad ♂ ✓

✓ 737 53292 Ad ♂ ✓

✓ 558 85021 Ad ♂ ✓

037 20922 Ad ♀ ✓

737 53208 Ad ♂ ✓

737 39502 Ad ✓

~~558 85021 Ad ♂~~

737 28580 Ad ♂ ✓

757 63451 Ad ♂ ✓

568 - 70018 Sub A ✓

568 - 72095 Sub A ✓

568 - 71409 Sub A ✓

737 - 40060 Ad ♂ ✓

737 53414 Ad ♂ ✓



✓ADP  
 568 71444 Ad ♀ CC ✓

19 Sept 1966

✓ADP

BK B. colony CC

~~01053~~

✓737-28694	✓Ad ♂	CV
568-71448	Ad ♀	CV
558-85230	Ad ♀	CV
568-71444	Ad ♀	CV
587 83339	Sub A	CV
737 27548	Ad ♀	CV
737 28896	Ad ♂	CV
558 85026	Ad ♂	MC
568 7200	Ad ♀ w Ith	✓
<del>568-706</del>		
568-72011	Sub A	CV
<del>568</del> 737-39909	Ad ♂	✓
568-71321	Ad ♀	✓
✓587-85028	<del>Ad ♀</del>	<del>Brown B. colony</del>



19 Sept 1966

BKB ~~cont~~

✓ADP  
Howland Is.

468	71349	Ad ♀	✓
437	20721	Ad ♂	N ✓
737	27893	Ad ♂	✓
537	26898	Ad ♂	✓
737	39950	Ad ♀	✓
757	65081	Ad ♀	✓
<del>757 65081 Ad ♀</del>			
737	23580	Ad	✓
737	49632	Ad	✓
757	63102	Ad ♀	✓
757	63305	Ad ♂	✓
787	83437	Ad ♀	✓
737	28652	Ad ♀	✓
737	39796	Ad ♂	with N ✓
737	37546	Ad ♀	✓
737	49606	Ad ♂	w / N ✓
737	28668	Ad ♂	w / N ✓
737	44746	Ad ♂	✓
757	63278	Ad ♂	✓



19 September 1966 ✓ ADP  
Howland Is

BK 1300 by

- |            |      |            |
|------------|------|------------|
| ✓ 37-39797 | Ad ♂ | ✓          |
| ✓ 37 23107 | Ad ♀ | ✓ w/w      |
| ✓ 37 26688 | Ad ♀ | ✓          |
| ✓ 37 26692 | Ad ♀ | ✓          |
| ✓ 37 28582 | Ad ♂ | ✓          |
| ✓ 37 49824 | Ad ♂ | ✓          |
| ✓ 37 39926 | Ad   | ✓          |
| ✓ 37-20941 | Ad ♂ | ✓          |
| ✓ 37-39736 | Ad ♀ | ✓          |
| ✓ 37 25893 | Ad ♂ | ✓          |
| ✓ 37 20933 | Ad ♀ | ✓          |
| ✓ 37 49609 | Ad ♀ | ✓          |
| ✓ 37 27585 | Ad   | ✓          |
| ✓ 37 39716 | Ad ♀ | ✓          |
| ✓ 57 65069 | Ad ♀ | ✓          |
| ✓ 37 25891 | Ad ♂ | ✓ pair w/w |
| ✓ 37-53126 | Ad ♀ | ✓          |
| ✓ 37 39719 | Ad ♀ | ✓          |
| ✓ 37 37593 | Ad ♂ | ✓ Δ pair   |



19 Sept 1966

Howland Is

SK Booby VADP

~~737-44590~~

✓ 737 44590 A ♀ Δ Pair N

✓ 737-49605 A ♀ N ✓

✓ 737-44592 Ad ♂ ✓

✓ 737-44771 Ad ♀ ✓

✓ 737-23542 Ad ♂ ✓

✓ 737-37599 Ad ♂ ✓

✓ 737 23722 Ad ♂ ✓

✓ 737-27784 Ad ♂ ✓

✓ 558-85053 Ad ♀ W/N ✓

✓ 557-62913 Ad ♂ ✓

✓ 537 39727 Ad ♀ ✓

✓ 557-62814 Ad ♀ ✓

✓ 537 26679 Ad ♀ ✓

✓ 557 65366 Ad ♂ ✓

587 81696 Sub A ✓

737-39690 Ad ♀ ✓

737-39890 Ad ♀ ✓

737 49664 Ad ♀ ✓



19 Sept 1966 Howland Is

SKB ooby VADP

737-27872 Ad ♀/N ✓

737 49574 Ad ♀/N ✓

737-39861 Ad ♂ ✓

737-39711 Ad ♀ ✓

737-39686 Ad ♂ ✓

737-39844 Ad ♀ ✓

737 39852 Ad ♂ ✓

737 27693 Ad ♀ ✓

737 26666 Ad ♂ ✓

737-39855 Ad ♂ ✓

737-39654 Ad ♀ ✓

737-20540 Ad ♀ ✓

737-27867 Ad ♀ w N ✓

737-27689 Ad ♀ ✓

737-39678 Ad ♀ ✓

737-37583 Ad ♀ ✓

757 63119 Ad ♀ ✓

757 62887 Ad ♂ ✓

737 25880 Ad ♂ ✓



19 Sept 1966

Howland Is

BK Booby

✓ADP

~~737-27643~~ - Ad ♂ ✓

~~757-67200~~

Ad ♀ ✓

~~737-27583~~

Ad ♂ ✓

~~737-25867~~

Ad ♀ ✓

~~737-37581~~

Ad ♀ ✓

~~737-23597~~

Ad ♀ ✓

~~737-27773~~

Ad ♀ WW ✓

~~737-27756~~

- Ad ♀ ✓

~~737-25857~~

Ad ♀ ✓



2 Cats

Inter ~~11~~ 11  
Dark 11  
Light

4-1-1  
12-3-21-2 ~~11~~ 9-6-8-1-3-4 LY ~~11~~ ~~11~~ 9-3-Y-3  
SY 11  
E

49

20 Sept 1966

Nest Count

RFB

LY 14

SY

E ~~11~~ ~~11~~ 1

GF

LY ~~11~~ ~~11~~ 9-3-Y-3  
SY 11  
E

Patch

RFB 129

GF

LY 4-~~11~~-12

E ~~11~~ 11

SY 11



20 Sept 1966 Banding  
Red footed booby

777-~~777~~ 51/556-70 N-4



20 Sept 1966

4

Resser Frigate

~~52~~

20' x 20'

1- 20 med chicks

no eggs 100

2- 28 chicks

4 eggs

3-

$$\begin{array}{r} 20 \\ 20 \overline{) 400} \end{array}$$

AREA-

300' x 192'

~~25~~ ~~10~~

64

3

192

$$\begin{array}{r} 20 \\ 20 \overline{) 400} \end{array}$$

120 y ft

261

192

300

57600

3000

$$\begin{array}{r} 20 \overline{) 57600} \end{array}$$

$$\begin{array}{r} 144 \\ 400 \overline{) 57600} \end{array}$$

144

25

720

288

3600

3

400

1760

1600

1600



20 Sept 1966

Howland

Blood

Blue-faced Booby JADP

453

1 737-53203 A-F <sup>nae</sup> ✓

456

2 - 737-27613 A-M <sup>WN</sup> ✓

457

3 737-23708 M <sup>WE</sup> ✓

8

4 737-28544 M <sup>WN</sup> ✓

9

5 737-39562 M <sup>2E</sup>

0

6 737-39581 F <sup>WN</sup>

1

7 737-28630 F <sup>W 2E</sup>

2

8 737-20777 M <sup>WN</sup>

3

9 587-85026 F <sup>WN</sup>

4

10 737-39987 M <sup>WN</sup>

5

11 737-28780 F <sup>WN</sup>

6

12 757-62754 M <sup>2E</sup>

7

13 757-63491 M <sup>E</sup>

8

14 737-53116 M <sup>E+n</sup>

9

15 737-28717 F <sup>WN</sup>

0

16 737-28522 F <sup>WN</sup>

1

17 737-39576 F <sup>W 2E</sup>

2

18 737-39617 M <sup>WN</sup>

3

19 737-39805 M <sup>WN</sup>

allan JADP



20 Sept 1966 Howland  
Blue-faced Booby  
Blood

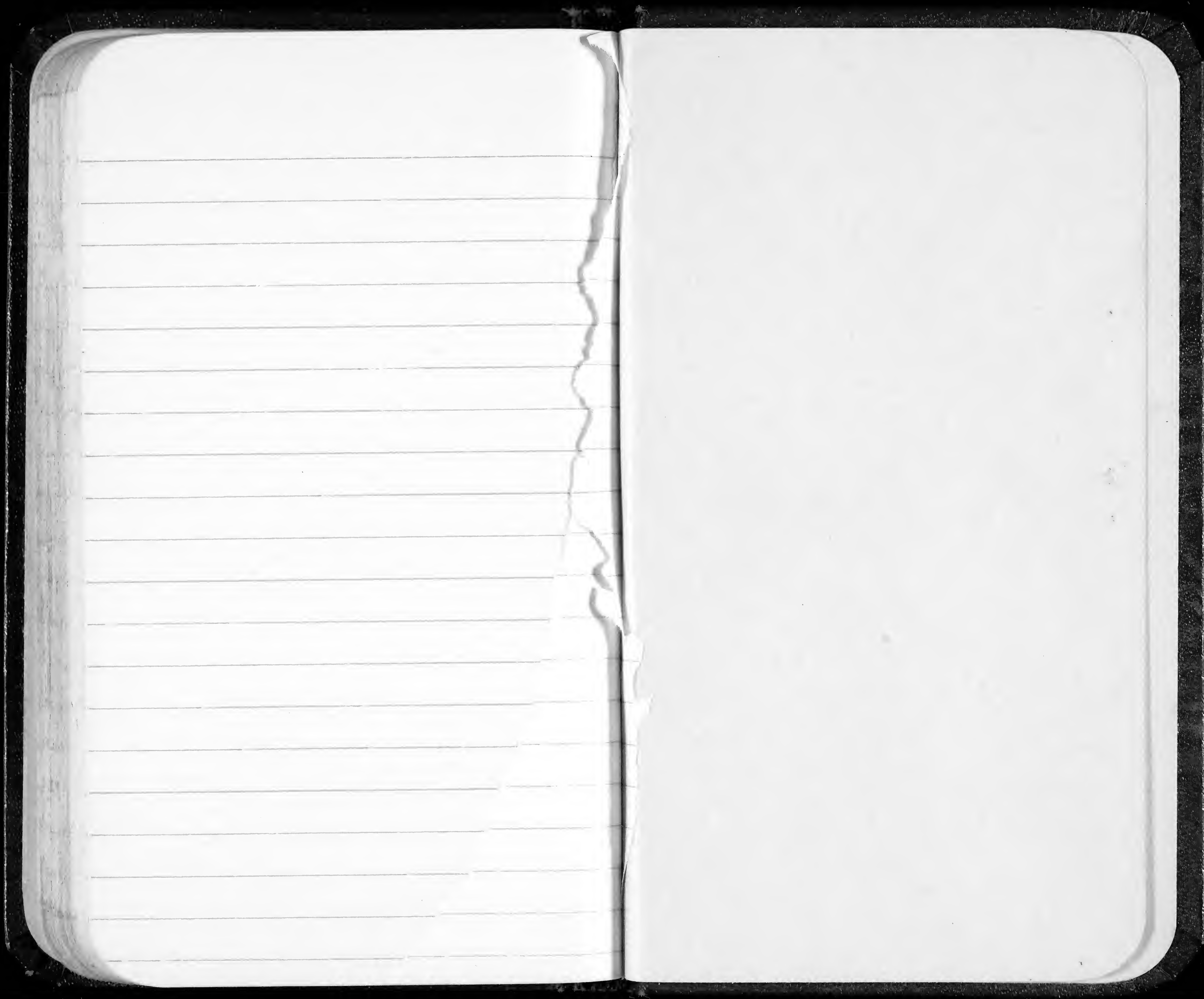
474	20	-	1737-53114 FWN
75	21	-	737-53121 FWN
76	22	-	737-53491 FWE
<del>77</del>	23	-	737-50228 F2E
<del>78</del>	24	-	
	25	-	

↑  
all on ADP

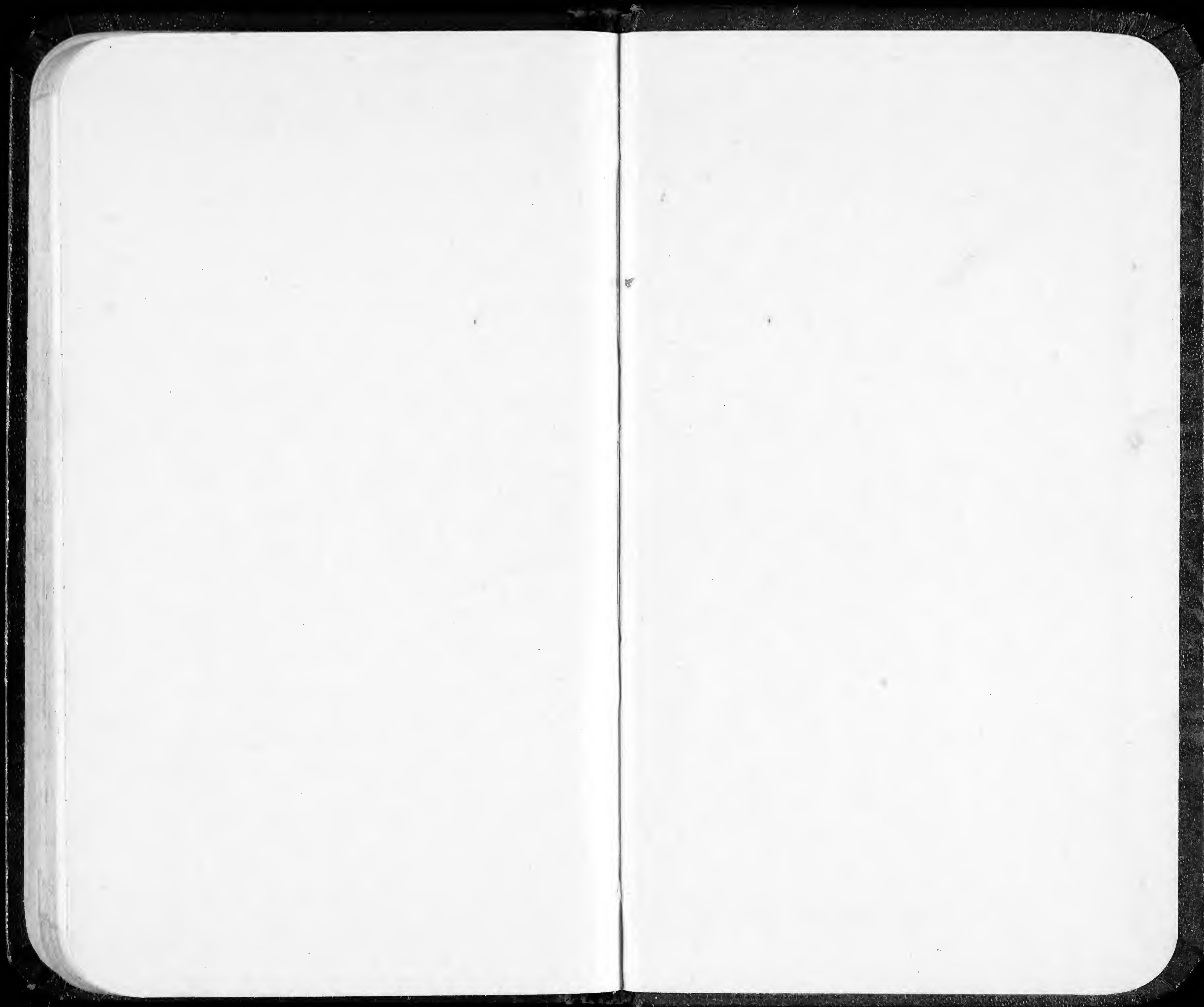














7530-222-0078

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GPO 43-16-73134-2



Memoranda  
1890



Thompson, F.C.

Howland SIC-15

Ecto parasite

No ADP - cont  
Done 8/19/68



Howland Island

Birds Seen 15 Sept 1968

Bonin's Puffin - one  
at landing -

Golden Plover - one over  
the Sooty Tern's Colony

Sooty Tern

Lesser Frigates

Greater Frigates

Red footed Boobies

Blue faced Boobies



RFB

1 737- ~~WN~~ WN

2

3

4

Howland Island Sept 15 1966  
Ecto Parasite Collections

ES 15-15 - Berlese Sample  
Blue faced Booby -  
Nest with 1 chick

ES 15-16 Berlese Sample  
B & B  
2 Eggs - 10<sup>7</sup> mites

ES 15-17 Berlese Sample  
Sooty Terns' Litter

ES 15-18 Berlese Sample  
Sooty Terns' Litter

ES 15-19 Berlese Sample  
Lesser Frigate - 1 egg

ES 15-20 Berlese Sample  
Red footed Booby - Nest - 1 chick



Howland Island

15 Sept 1966

Ecto turnstone - Collected Birds

#6695 - Ruddy Turnstone <sup>ES 15-</sup> 65

4 feather mites - Zonolophus  
light <sup>chromis</sup> instillation <sup>rule</sup>

#6697 - Wandering Tattler <sup>ES 15-66</sup>  
feather mites - about 20 to  
no mallophaga on side of primary

#6696 - Ruddy Turnstone <sup>ES 15-67</sup>  
4 feather mites - primaries  
no mallophaga -

#6698 - Red Tailed Tropicbird -  
- nothing



Esso

Howland Island  
16 Sept 1966

Two Anthracos ES 15-21  
from a Brown Booby Nest  
Two Eggs - + Berlese Sample

ES 15-22

BFB - Berlese Sample  
1 nest + 1 marked chick

ES 15-23 - Berlese Sample  
Brown Booby  
1 nest + 2 eggs

ES 15-24 17 Sept 1966

RFB - nest + 1 small chick  
B Sample

ES 15-25

17 Sept 1966

BFB - nest - 2 eggs



1875 Jan 1st  
1875 Jan 2nd

1875 Jan 3rd  
1875 Jan 4th  
1875 Jan 5th

1875 Jan 6th  
1875 Jan 7th  
1875 Jan 8th

1875 Jan 9th  
1875 Jan 10th  
1875 Jan 11th

1875 Jan 12th  
1875 Jan 13th  
1875 Jan 14th

1875 Jan 15th  
1875 Jan 16th  
1875 Jan 17th



Howland Island

Insects — General notes

- ① couple of Lep. Vespertina
- ② one Coccinellidae collected
- ③ One Wolf Spider on  
the beach area - sand

Coccinellidae - 1 sp. - feeds on  
the Aphids on the Prepiles

Couple of Species of Calyptrate  
Diptera

- one Euryptera collected in  
the Sooty Tern Colony at  
night on ground



Sept 17 1966

RTTB - checked for  
Onchocerca

about 10 Adults and 2 Onchocerca  
checked for Onchocerca -  
negative results



Howland Islands  
17 Sept 1964

(29)

Sooty TERN

Chicks

Reg	Light	Med	Heavy
III	<del>IIII</del>	<del>IIII</del>	<del>IIII</del>
	IIII	II	II
	III		
			30

Small Chicks — med to heavy

large Chicks — light to med

OLDER The Rhine The fewer  
The Ticks appears to be The  
Case x

The Crown and under the  
base of the wing was the  
two areas of highest infestation.  
Ticks were also collected on  
the neck, wing lining Breast and  
belly

Ob  
30 | 270  
270



Howland Island

# Echoyante Collection

ES 15-26

Ticks from Sooty Terns

- see Sooty Terns Chicks



Monday June 1st

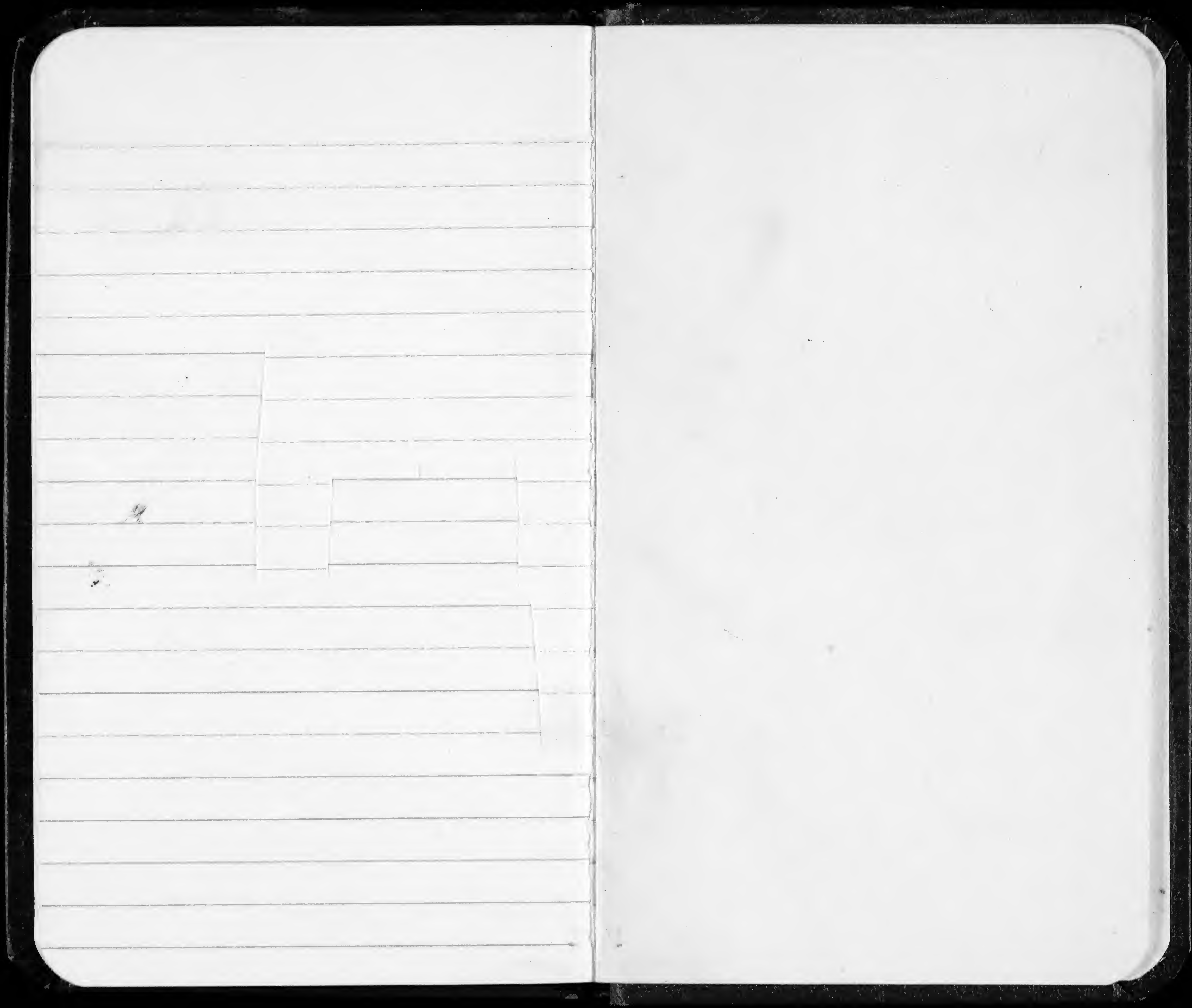
Colony of 1000

22-23

1000 - 1000

1000 - 1000







LK ♂ Ad Reconno



7530-222-0078

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GPO 16-7312-5



Sic #15  
Enderbury  
25-26 Sept 1968



Enderbury

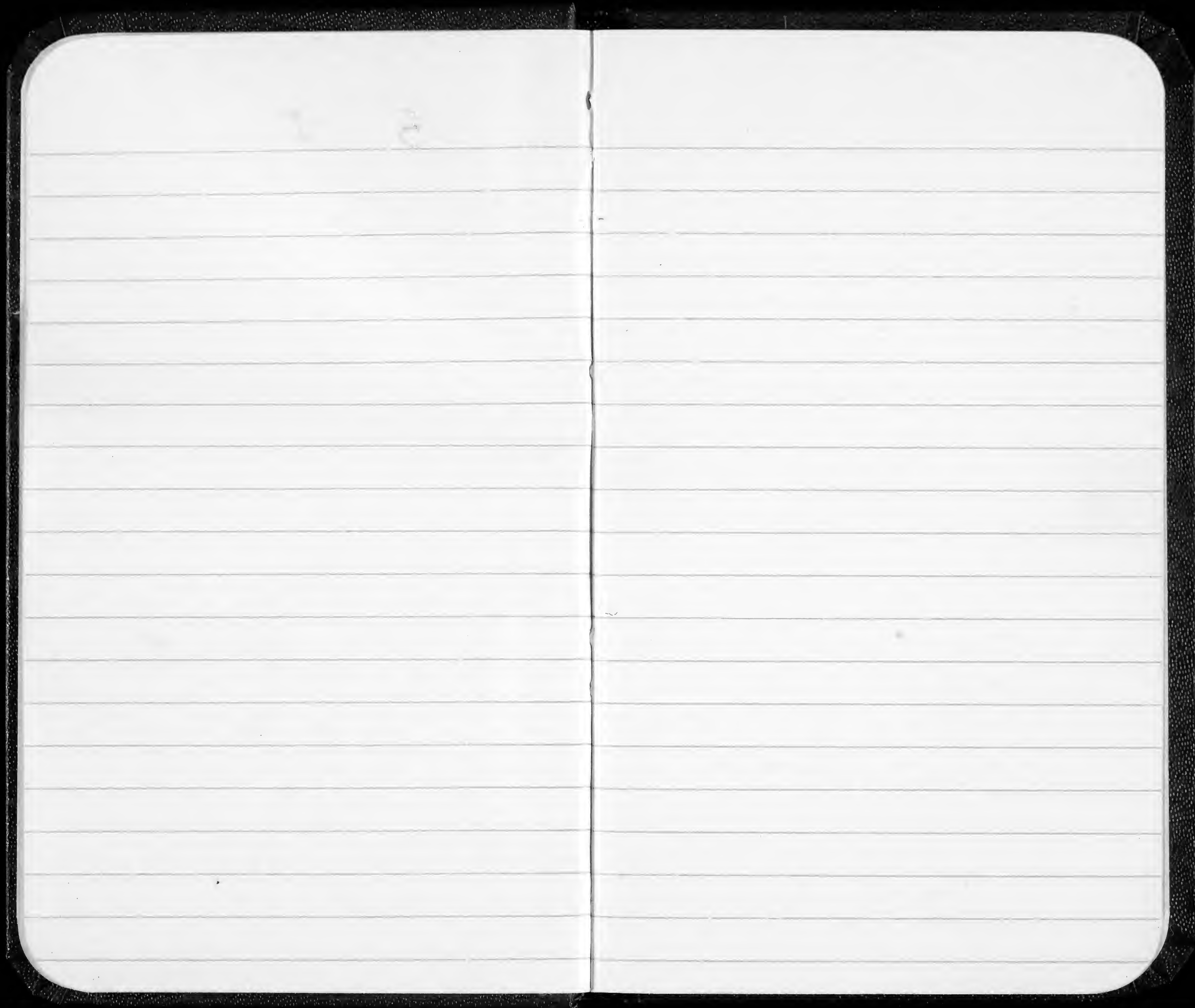
25-26 Sept 1966

✓ ADP - CDA  
Done 8/17/68

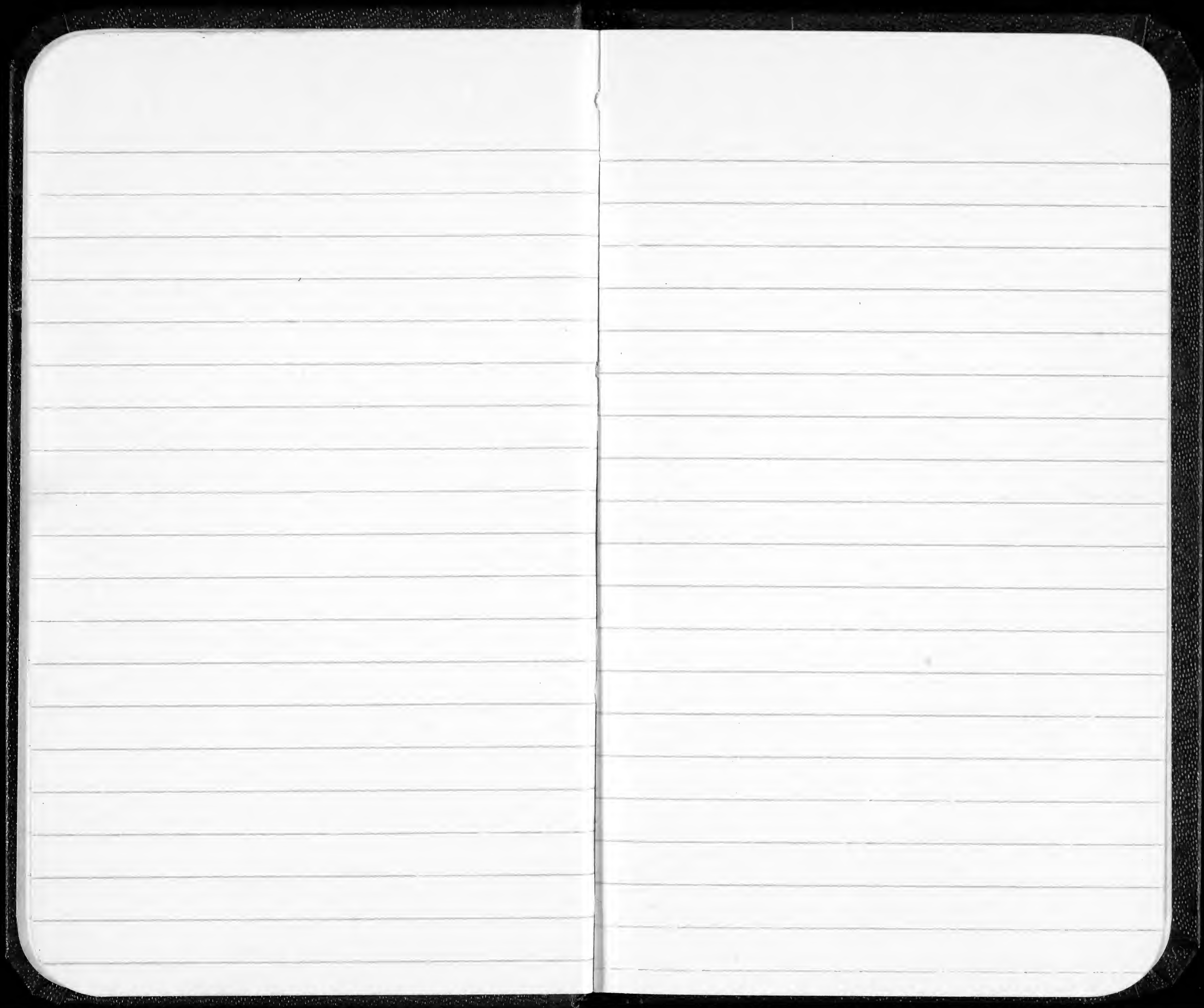


25 Sept











25 Sept. 68 ✓ADP

Bobby Returns

777-52036 SAd ✓



Blue-faced Booby Nest Count 2 Sept 1966

1 egg 11  
2 egg 111

1 egg + 1 chick

Small chick ~~1111~~ ~~1111~~ 11  
~~111~~ 1



# B. Booby Nest Count

1 egg

2 egg

3 egg

small chicks



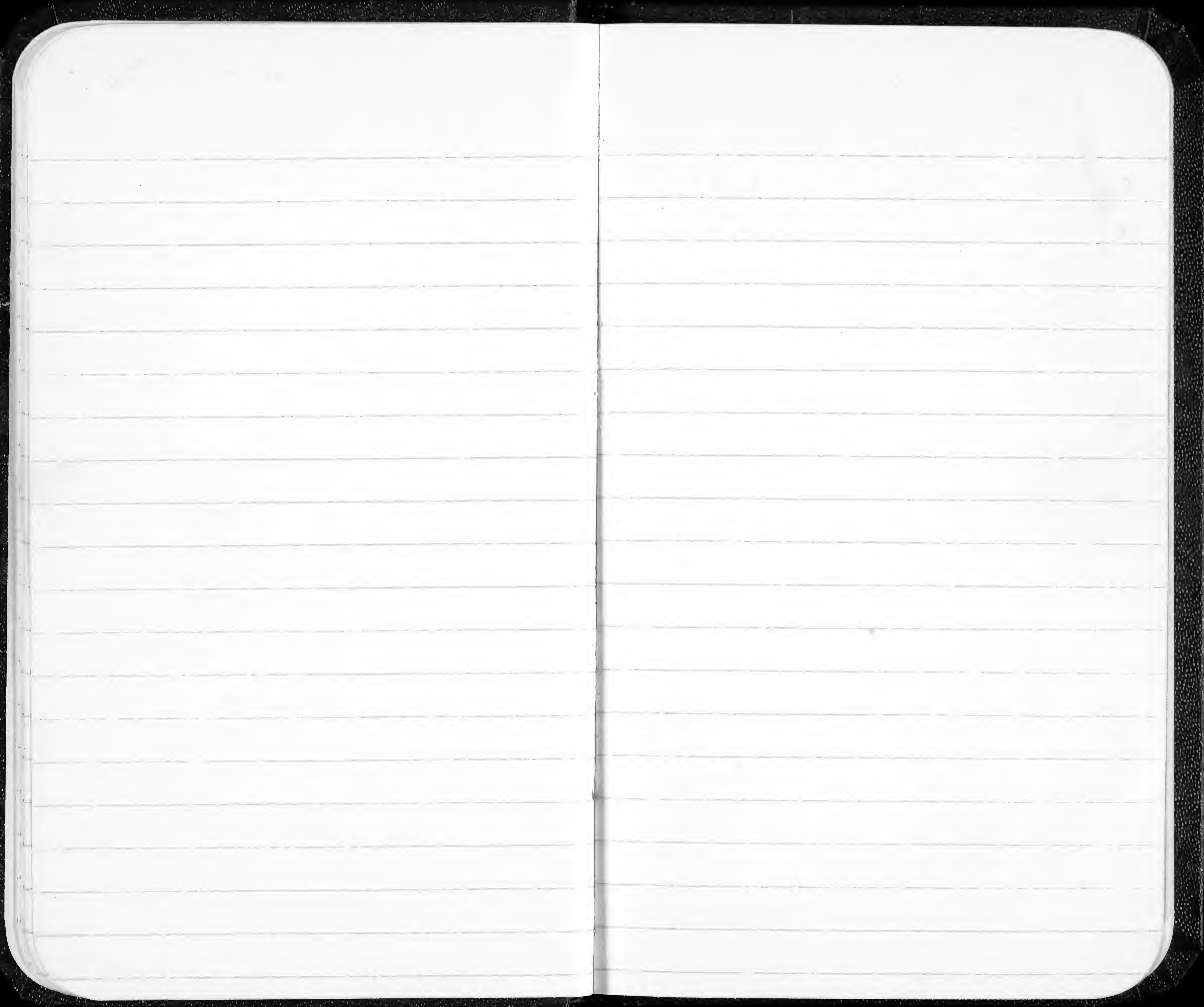
# Great Frigate Nest Count 25 Sept. 1966

1 egg

~~2 egg~~ small chick 11

med  
~~small~~ chick





# Species Account

26 Sept

1 Christmas Is. Shearwater  
1 possible W. th. S. Petrel

26 Sept 1955

W. th. S Petrel



shore bird 26 Sept

1966

GP	WT	RT	Bth C.	Scrub	S.S.
<del>III</del> 1	<del>III</del>	<del>III</del>	11	2	1
<del>III</del>	<del>III</del>	<del>III</del>	37		
+21	+8	<del>III</del>	+9		
+60	+4	<del>III</del>	<hr/>		
+30	+7	<del>III</del>	57		
112		<del>III</del>			
		+24			

430

+14

+4

+70

+50

GT

FF

B.G. Noddy

9

2+4

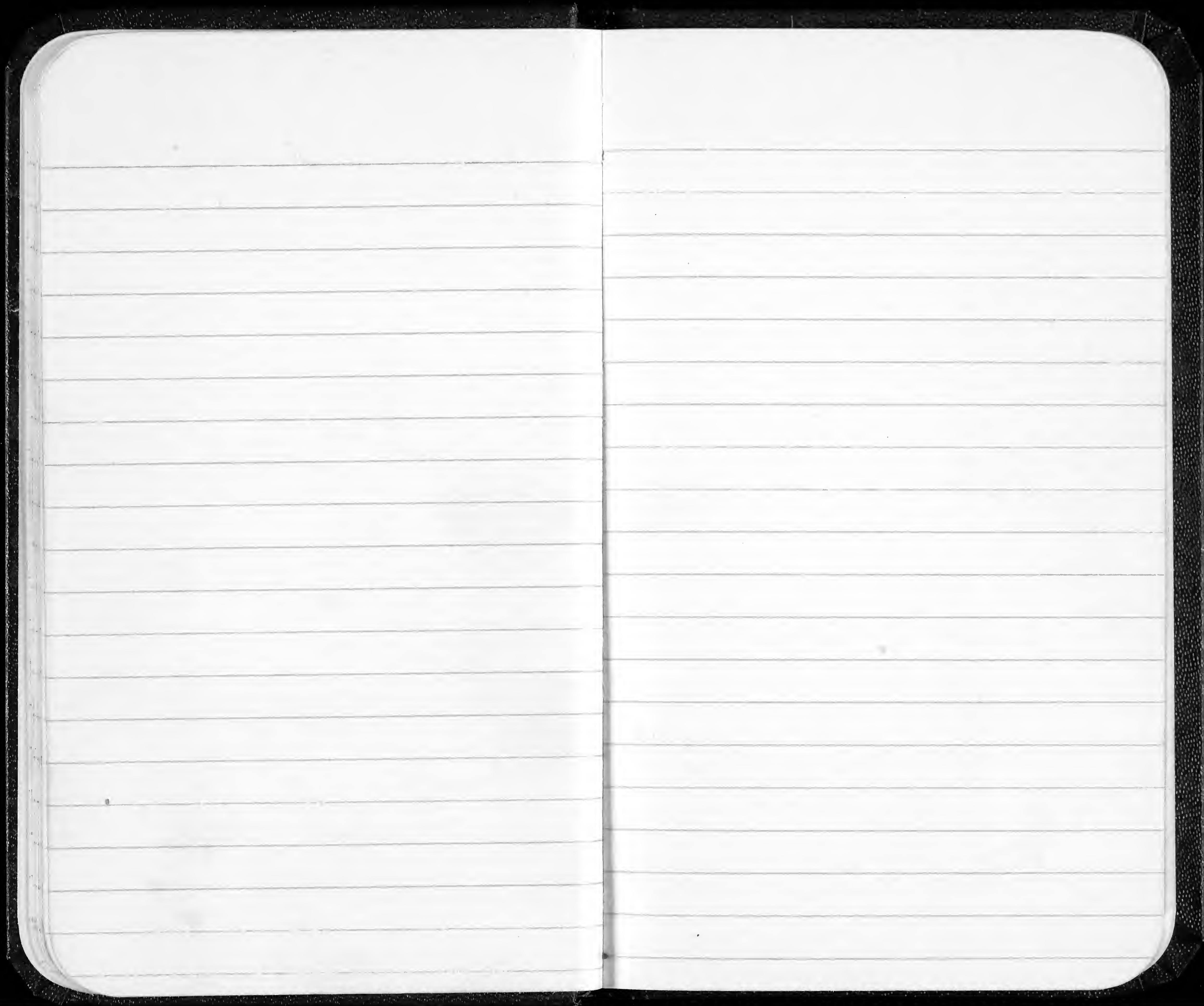
(35+5)

2

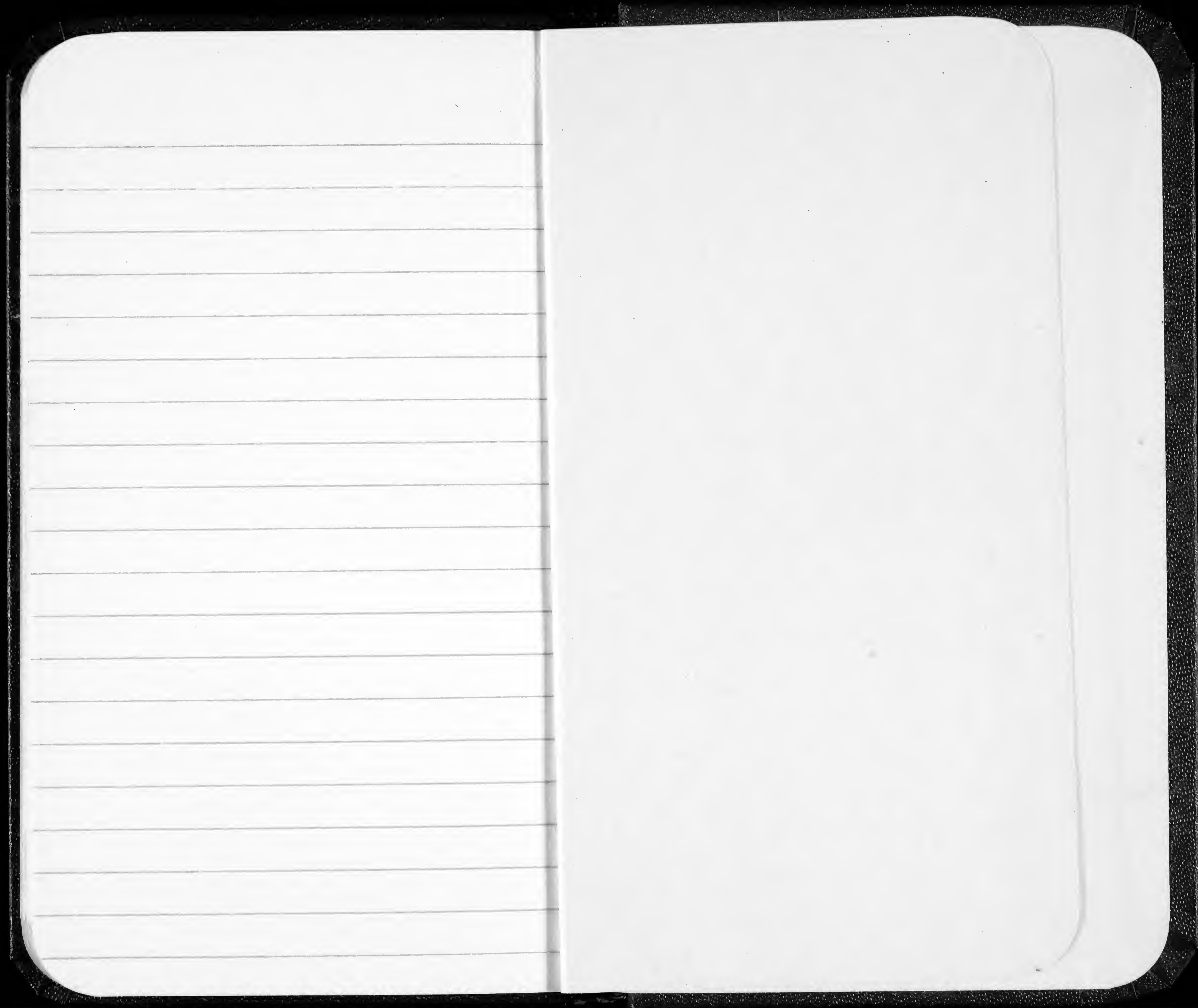
(15+3)

40















7530-222-0078  
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GPO 643-16-73124-2